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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/242,202	11/01/1999	EDWARD L. NELSON	2026-4236US1	9749
5318	7590	11/20/2003	EXAMINER	
NATIONAL INSTITUTES OF HEALTH OFFICE OF TECHNOLOGY TRANSFER 6011 EXECUTIVE BLVD SUITE 325 ROCKVILLE, MD 20852-3804			LI, QIAN JANICE	
ART UNIT		PAPER NUMBER		1632

DATE MAILED: 11/20/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**OFFICE COMMUNICATION**

The reply filed on 5/2/03 is not fully responsive to the prior Office Action because of the following omission(s) or matter(s): the amendment fails to comply with the sequence rule indicated in the previous Office action. See 37 CFR 1.111.

Specifically, applicants argue that primers 1 and 2 on page 47 is unnecessary inasmuch as a sequence identification number already has been assigned on page 48. In response, applicants are advised that a sequence identifier is required each time the sequence appears in the specification. Moreover, applicants has not taken the necessary measures to the extent necessary to determine the presence of all possible minor errors, particularly in sequence identifiers and their correspondence to the submitted Paper and Computer readable copy of the sequence listing because it is further noted that claims 12, 63, 74, and 108 also contain nucleotide sequences that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2) but are not identified by sequence identifier numbers or present in the Sequence Listing. Applicant must provide sequence identifier where applicable, and if necessary a paper copy, a computer readable copy of the Sequence Listing and a statement that the content of the paper and computer readable copies are the same and; where applicable, include no new matter, as required by 37 CFR 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d). A full response to this Office Action must include a complete response to the requirement for a Sequence Listing.

Since the above-mentioned reply appears to be *bona fide*, applicant is given **ONE (1) MONTH or THIRTY (30) DAYS** from the mailing date of this notice, whichever is longer, within which to supply the omission or correction in order to avoid abandonment. EXTENSIONS OF THIS TIME PERIOD MAY BE GRANTED UNDER 37 CFR 1.136(a).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Q. Janice Li whose telephone number is 703-308-7942. The examiner can normally be reached on 9:30 am - 6 p.m., Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Deborah J. Reynolds can be reached on 703-305-4051. The fax numbers for the organization where this application or proceeding is assigned are 703-872-9306.

Any inquiry of formal matters can be directed to the patent analyst, Dianiece Jacobs, whose telephone number is (703) 305-3388.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0196.

  
Q. JANICE LI  
PATENT EXAMINER

Q. Janice Li  
Patent Examiner  
Art Unit 1632

  
November 11, 2003